
Central Valley Regional Water Quality Control Board

25 February 2020

Ms. Eleanor Anselmo
2151 Promontory Point Lane
Gold River, CA 95670

TENTATIVE NOTICE OF APPLICABILITY OF GENERAL ORDER NO. R5-2015-0012-061, FORMER GOSS-JEWETT CORPORATION FACILITY, 4301 POWER INN ROAD, SACRAMENTO, SACRAMENTO COUNTY

Risk-Based Decisions, Inc. submitted on your behalf, a Notice of Intent (NOI) dated 21 February 2020 and the 13 February 2020 *Revised Workplan for In Situ Oxidation, Former Goss-Jewett Facility, 4301 Power Inn Road, Sacramento, California* (Work Plan), requesting coverage under Order No. R5-2015-0012, *Waste Discharge Requirements General Order for In-Situ Groundwater Remediation and Discharge of Treated Groundwater to Land* (General Order). Based on information in the submittal, it is our determination that this project meets the required conditions to be covered under General Order No. R5-2015-0012. All the requirements contained in the general order are applicable to this project. The project is assigned Order No. R5-2015-0012-061.

Project Location:

The project is located at 4301 Power Inn Road in the City of Sacramento, Sacramento County. Township 8N, Range 5E, Section 23 Mount Diablo Baseline & Meridian. Assessor's Parcel Number 061-0061-048.

Project Description:

Operations at the Former Goss-Jewett Facility at 4301 Power Inn Road in the City and County of Sacramento (Site) caused pollution of soil and groundwater. The primary constituent of concern in groundwater is tetrachloroethene (PCE). Depth to groundwater in September 2019 was approximately 44 feet below ground surface.

Remediation of PCE in soil and groundwater at the Site was initiated in 2003. A soil vapor extraction system has been operating since 2003 and a groundwater recirculation system since 2005. Operation of these remedial systems has reduced the concentration of PCE in soil and groundwater by orders of magnitude. However, residual PCE concentrations in groundwater are still above groundwater water quality objectives.

KARL E. LONGLEY ScD, P.E., CHAIR | PATRICK PULUPA, ESQ., EXECUTIVE OFFICER

In order to expedite groundwater cleanup time to meet water quality objectives, the current Site owner (Discharger) is proposing to conduct a pilot study for in-situ chemical oxidation treatment of PCE. The Discharger proposes to inject approximately 2,200 pounds of potassium permanganate dissolved in approximately 44,000 of tap water into five existing monitoring wells located in the area with the highest PCE concentrations. The target concentration of potassium permanganate in groundwater of is 0.03% by mass. The potassium permanganate will be injected by gravity flow and the groundwater re-circulation system will continue to be operated to promote contact of the injected potassium permanganate with PCE in groundwater.

As part of this Order, groundwater monitoring will be performed in accordance with the attached Monitoring and Reporting Program (MRP) to confirm injection of potassium permanganate is not adversely impacting groundwater quality and to monitor progress of the remedy.

General Information:

1. The project will be operated in accordance with the requirements contained in the General Order No. R5-2015-0012 and in accordance with the information submitted in the Work Plan, Notice of Intent, and specified in this Notice of Applicability.
2. The required annual fee (as specified in the annual billing you will receive from the State Water Resources Control Board) shall be submitted until this Notice of Applicability is officially revoked.
3. Injection of materials other than potassium permanganate and tap water into the subsurface is prohibited.
4. The General Order requires a contingency plan for corrective actions should water quality exceed the requirements of the Order at the points of compliance. The General Order prohibits concentrations of metals, TDS, or electrical conductivity more than 20% greater than their respective baseline levels. As a contingency plan, the Discharge will implement one or more of the corrective action measures outlined in the Work Plan and as deemed necessary by the Central Valley Water Board.
5. Failure to abide by the conditions of the General Order could result in an enforcement action as authorized by provisions of the California Water Code.
6. The Discharger shall comply with the attached Tentative Monitoring and Reporting Program, Order No. R5-2015-0012-061, and any revisions thereto as ordered by the Executive Officer.

If you have any questions regarding this matter, you may contact Aimee Phiri by telephone at (916) 464-447465 or by email at aimee.phiri@waterboards.ca.gov.

PATRICK PALUPA
Executive Officer

Attachments: Tentative Monitoring and Reporting Program Order No. R5-2015-0012-061

cc: (via email)
Mr. Jim Meier, Risk-Based Decisions, Inc. Sacramento, CA
Mr. Rob Pexton, Risk-Based Decisions, Inc. Sacramento, CA
Mr. Ijaz Jamall, Risk-Based Decisions, Inc. Sacramento, CA
Mr. Chris Pace, Sacramento County Environmental Management Department
Ms. Della Kramer, Central Valley Water Board, Rancho Cordova